

Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) An electrophoretic display device for displaying information, comprising a plurality of display elements with an electrophoretic medium comprising two groups of electrophoretic particles, one group of positively charged electrophoretic particles and one group of negatively charged particles and ~~a~~ the color of the electrophoretic particles of the first group being equal to ~~a~~ the color of the electrophoretic particles of the second group,
a first electrode, a second electrode and a third electrode associated with each display element for receiving a drive signal, and
control means for supplying, in accordance with ~~the~~ information to be displayed, a ~~the~~ drive signal to the electrodes for realizing intermediate optical states.
2. (Currently Amended) An electrophoretic display device as claimed in claim 1, wherein the information to be displayed comprises successive images and a ~~the~~ control means is able to generate a drive signal so that a ~~the~~ voltage difference between the first, second electrode and the third electrode respectively is alternately positive and negative in synchronism with the display of each subsequent image.
3. (Currently Amended) An electrophoretic display device as claimed in claim 1, wherein a ~~the~~ control means are further arranged for supplying a preset signal before the drive signal comprising a preset pulse associated with energy sufficient for releasing at least one of the groups of electrophoretic particles from a first position near one of the electrodes on the substrates but too low to reach a second position near one of the other electrodes on the substrates.

4.(Original) An electrophoretic display device as claimed in claim 3, wherein the preset signal is supplied to one of the first and second electrodes.

5. (Currently Amended) An electrophoretic display device as claimed in claim 4, wherein the control means are further arranged for generating the preset pulse with a negative or positive polarity and the control means are further arranged for generating the drive signal comprising a pulse with a positive or negative pulse, whereby a the polarity of the preset pulse is opposite to a the polarity of the pulse of the drive signal.

6. (Original) An electrophoretic display device as claimed in claim 3, wherein the preset signal is supplied to the third electrode.

7. (Original) An electrophoretic display device as claimed in claim 1, wherein the electrophoretic medium is present between two substrates one of which comprises the first and the second electrode, and the other comprises the third electrode.

8. (Currently Amended) An electrophoretic display device as claimed in claim 7, wherein a the surface of the substrate comprising the third electrode is provided with a hydrofobic layer.

9. (Original) An electrophoretic display device as claimed in claim 1, wherein the electrophoretic medium is present in a micro-capsule.